CLAIM LISTING

- (Original) A layered article, comprising:
 a single crystal silicon comprising substrate;
 a silicon oxynitride layer (SixNyOz) disposed on said silicon substrate, and
 a single crystal group III-nitride layer disposed on said oxynitride layer.
- 2. (Original) The article of claim 1, wherein said silicon substrate is (111) oriented.
- 3. (Currently amended) The article of claim 2, wherein said single crystal group III-nitride layer is selected from the group consisting of an AlN, InN, and [[a]] GaN layer and mixtures thereof.
- 4. (Original) The article of claim 1, wherein a thickness of said silicon oxynitride layer is from 15 to 40 angstroms.
- 5. (Original) The article of claim 1, further comprising an integrated electronic circuit built on said article.
- 6. (Original) The article of claim 1, further comprising an integrated optical or optoelectronic device built on said article.

7. (Withdrawn) A method for forming textured group III-nitride layers, comprising the steps of:

providing a single crystal silicon comprising substrate, said silicon substrate having a silicon dioxide layer disposed thereon;

converting said silicon dioxide layer to a silicon oxynitride (SixNyOz) layer, and depositing a single crystal group III-nitride layer on said oxynitride layer.

- 8. (Withdrawn) The method of claim 7, wherein said silicon dioxide layer is a native oxide layer.
- 9. (Withdrawn) The method of claim 7, wherein said converting step comprises flowing NH3 at a temperature below 575 C.
- 10. (Withdrawn) The method of claim 9, wherein said temperature is between 550 and 575 C.
- 11. (Withdrawn) The method of claim 7, wherein said converting step and said depositing step occur in the same reactor.
- 12. (Withdrawn) The method of claim 11, wherein said converting step and said depositing step are both performed in a temperature range from 550 to 575 C.

- 13. (Withdrawn) The method of claim 7, further comprising the step of a H2 clean at a temperature of at least 500 C prior to said converting step.
- 14. (Withdrawn) The method of claim 7, wherein said group III-nitride layer comprises GaN.
- 15. (Withdrawn) The method of claim 7, wherein said silicon substrate is (111) oriented.